Technical Attachment

National Weather Association Annual Meeting

Fort Worth, Texas
October 19-24, 2002

Presentations authored or co-authored by NWS Southern Region Participants.

Oral Presentations:

Verification of the WaveWatch III Model Along the Upper Texas Coast, by Brian Kyle (WFO Houston).

"Jarrel" Reprise: A Fresh Look at the Unusual Central Texas Tornado Outbreak of May 27, 1997, by Lon Curtis (KWTX-TV Waco) and Al Moller (WFO Fort Worth).

Synoptic and Mesoscale Patterns Associated with Violent Tornadoes across Separate Geographic Regions of the United States, by Chris Broyles (WFO Amarillo), Neal Dipasquale (WFO Sterling), and Richard Wynne (WFO Amarillo).

Proof-of-Concept Test of WDSS-II at the Jackson, Mississippi, National Weather Service Forecast Office, by Gregory Stumpf (NSSL/CIMMS Norman) and Alan Gerard (WFO Jackson).

Air Traffic Controllers Begin Operational Use of NEXRAD Data on Air Traffic Control Displays, by Tom Amis (CWSU Fort Worth), Jay Johnson (FAA Washington, DC), Jim Stobie (SAIC, Washington, DC), Steve Walden (Computer Associates, Inc.), and Ray Graff (TRW Inc.).

Prototype Aviation Collaborative Effort (PACE) at the Fort Worth Air Route Traffic Control Center (ARTCC), by Thomas Amis (CWSU Fort Worth).

Use of Total Lightning Information at a National Weather Service Field Office, by David W. Sharp, Scott M. Spratt and Matthew Bragaw (WFO Melbourne).

Workshop I - Landfalling Tropical Systems and the Inland Flood Threat, by Christine McGehee (RFC Atlanta).

Lightning Safety: Mandate for Public Education, by William P. Roeder (45th Weather Squadron USAF, Patrick AFB), John T. Madura (NASA Kennedy Space Center) and Matthew W. Bragaw (WFO Melbourne).

A New Flash Flood Action Paradigm, by Jon W. Zeitler (WFO Austin/San Antonio).

JSU Meteorology Program PDAS RAP and the Microburst Study Project, by Paul J. Croft (Jackson State University), Alan Gerard (WFO Jackson), Kevin Pence (WFO Birmingham), Jeffrey Medlin (WFO Mobile), Russell Schneider (NCEP Storm Prediction Center), and Monesa Watts, Kim Coleman, Ashton Robinson-Cook, and Rondah Smart (Jackson State University).

Advanced Hydrologic Prediction Services Implementation at the Lower Mississippi River Forecast Center, by Dave Reed (RFC Slidell).

GIS Data/Applications at the Lower Mississippi River Forecast Center, by Keith Stellman (RFC Slidell).

The Use of AWS WeatherNET Rainfall Data at the West Gulf River Forecast Center, by Gregory J. Story (RFC Fort Worth).

History of NOAA's Wind Profiler Program From the WPDN to the NPN, by Margot H. Ackley and Michael K. Shanahan (NOAA/Forecast Systems Laboratory, Boulder) and Dan Smith (SSD SRH Fort Worth).

Operational Applications of Profiler Data for Warnings and Forecasts, by Dan Smith (SSD SRH Fort Worth), Steven J. Weiss (NCEP Storm Prediction Center), Steven Kays (WFO Topeka), Rick Ewald (WFO Hastings), and Doug van de Kamp (NOAA/Forecast Systems Laboratory, Boulder).

What the Future Brings - Frequency Conversion and National Network Plans, by Margot H. Ackley and Alan E. Pihlak (NOAA/Forecast Systems Laboratory, Boulder) and Dan Smith (SSD SRH Fort Worth).

Bridging the Gap Between Research and Operations and Research in the National Weather Service: The Huntsville Model, by Chris Darden (WFO Huntsville), B. Carroll (University of Alabama in Huntsville), W. Lapenta, G. Jedlovec, and S. Goodman (NASA Marshall Space Flight Center, Huntsville), and T. Bradshaw and J. Gordon (WFO Huntsville).

Posters:

QPF and Workstation Eta Verification at the Lower Mississippi River Forecast Center, by Jeffrey Graschel (RFC Slidell).

Anticipating and Monitoring Supercell Motion for Severe Weather Operations, by Jon Zeitler (WFO Austin/San Antonio), and Matthew Bunkers (WFO Rapid City).

Radar Characteristics of Violent Tornadic Storms Using the NSSL Algorithms Across Separate Geographic Regions of the United States, by Chris Broyles and Richard Wynne (WFO Amarillo), Neal Dipasquale (WFO Sterling), and Hector Guerrero and Tim Hendricks (WFO San Angelo).

A Case Study of the Fort Worth and Arlington Tornadic Supercells of 28 March 2000, by Jason K. Jordan (Texas Tech Univ.) and Al Moller (WFO Fort Worth).

A Case Study of a Positive Strike Dominated Supercell Thunderstorm That Produced an F2 Tornado after Undergoing a Significant Cloud to Ground Lightning Polarity Shift, by David G. Biggar (WFO Jackson).

A Partnership Between the Greater New Orleans Expressway Commission and the Weather Forecast Office (WFO) in Slidell, LA, by Alan Johnson, Paul Trotter and Fred Zeigler (WFO New Orleans Area).

Verification of WaveWatch III Model Data Along the Upper Texas Coast, by (WFO Houston).

Improving Tornado Verification Through a Team Concept Approach for Storm Surveys, by Mark Rose and Mark Linhares (WFO Birmingham).

Weather Event Simulator Tips and Techniques, by Bernard N. Meisner (SSD SRH Fort Worth) and Nezette Rydell (WFO Austin/San Antonio).

An Empirical, Multi-parameter Approach for Real Time Forecasting of Hail Size Used at WFO Little Rock, by John Lewis (WFO Little Rock).

Tornadoes Associated with Tropical Storm Gabrielle, by Scott Kelly, David. W. Sharp, Scott M. Spratt and Peter F. Blottman (WFO Melbourne).

Warning Decision Making Challenges During the Tornado Outbreak of 24 November 2001, by Alan Gerard and Chad Entremont (WFO Jackson), and Ashton Robinson-Cook (Jackson State University).

Unusual Tornadoes Associated With Hurricane Michelle, by Russell Pfost (WFO Miami).

The 2002 Texas Hill Country Floods, by Jon Zeitler and Nezette Rydell (WFO Austin/San Antonio).